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FIRST NAMED INVENTOR FILING DATE ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. 09/853,033 05/11/2001 Pierre Chambon 065691-0222 5081 EXAMINER 22428 7590 05/03/2006 FOLEY AND LARDNER LLP QIAN, CELINE X SUITE 500 ART UNIT PAPER NUMBER 3000 K STREET NW WASHINGTON, DC 20007 1636

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

SupplEMENTAL Notice of Allowability	Application No.	Applicant(s)	
	09/853,033 Examiner	CHAMBON ET AL. Art Unit	
	Celine X. Qian Ph.D.	1636	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subje	s application. If not include ation will be mailed in due	led course. THIS
2. ☑ The allowed claim(s) is/are <u>69 and 74-86</u> .			
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1.	been received.  been received in Application Note the communication to file a relief.  The file of this communication to file a relief.  The file of this application.  The file of this application the file of this application.  The file of this application to file of this application.  The file of this application to file of this application.  The file of this application to file of this application.  The file of this application to file of this application.  The file of this application to file of this application.	this national stage applicately complying with the respect to the plant of the stage applicately complying with the respect to the stage application of the stage application is deficient.  TO-948) attached the office action of the sawings in the front (not the stage).	equirements
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I</li> </ol>			Note the
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summ Paper No./Mail 8), 7. ☑ Examiner's Ame	Date	

Application/Control Number: 09/853,033

Art Unit: 1636

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The Examiner agreed the following changes Applicant's representative requested during the telephonic interview on 3/30/06.

Claim 69. A method for producing spatio-temporally-controlled site-specific somatic recombinations in a mouse, wherein one or more gene or intergenic DNA sequences of interest naturally belonging to the genome of said mouse have been recombined, comprising:

- a) obtaining a transgenic mouse, wherein said transgenic mouse comprises [a transgene encoding]:
  - (i) a transgene encoding a Cre fusion protein comprising sequentially:
    - (1) a Cre recombinase protein;
    - a hinge region of at least 15 amino acids;
    - a polypeptide comprising the ligand binding domain of the human nuclear estrogen receptor, or of a vertebrate nuclear estrogen receptor, said polypeptide exhibiting at least one mutation relative to the wild-type form of said ligand binding domains; and

Application/Control Number: 09/853,033 Page 3

Art Unit: 1636

(2) has a negligible, or even zero recombinase activity in the absence of a synthetic ligand endowed with antiestrogenic activity, the recombinase activity being induced by low dose of the synthetic ligand;

- (ii) one or more gene or intergenic DNA sequences of interest, naturally belonging to the mouse genome, flanked by one or more recognition sites for a Cre recombinase protein,
- b) administering to said transgenic mouse a low dose of said synthetic ligand in order to induce Cre-mediated recombination; and
- c) said gene or intergenic DNA sequences of interest undergo a site specific somatic recombination, as a result of the induction by said synthetic ligand, in at least 90% of the targeted cells of said mouse, whereas said gene or intergenic sequences of interest underwent recombination in less than 5% of the targeted cells of said mouse before step b).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Celine X. Qian Ph.D. whose telephone number is 571-272-0777. The examiner can normally be reached on 9:30-6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Remy Yucel Ph.D. can be reached on 571-272-0781. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 09/853,033

Art Unit: 1636

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Celine X Qian Ph.D. Examiner Art Unit 1636

CELINE QIAN, PH.D. PRIMARY EXAMINER

